

SUMMARY SLIDE



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For basic research:

We seek partners investigating mechanisms of nutrient-uptake in *Chlamydomonas reinhardtii* and in *Chlorella vulgaris* by means of –omics techniques

We offer expertise in optical monitoring techniques (VIS/NIR spectroscopy, fluorescence, Raman) and in precision laboratory cultivation techniques and in selection protocols.

Detailed lipid and polysaccharide analysis using GC/MS, LC/MS and HPAEC-PAD

For applied research (TRL<6):

We seek partners for projects connecting ‘waste water – algal biomass – soil – crops’

We offer expertise in design of innovative cultivation systems, particularly combining photosynthetic and thermal or photovoltaic energy conversion.

For applied research (TRL>5):

We seek partners for demonstrating and comparing potential of Algal Turf Scrubbers and raceway ponds in different climatic conditions.

We offer capacity to perform comparative large scale cultivations in conditions of W.Germany. We have 3 large scale closed photobioreactors and starting a large scale tertiary treatment of communal waste water by ATS.